

IN THE CLAIMS

1. (currently amended) A method of despreading a target GPS spread spectrum signal ~~containing~~comprising pseudorandom noise (PRN) code sequences and received by a GPS receiver, the method comprising the steps of:

- providing Doppler information relating to an estimate of the variation in Doppler shift as observed on the target signal by the GPS receiver and which is attributable to the motion of the GPS satellite; and

13 - correlating the target signal with a reference signal containing corresponding PRN code sequences,

wherein, in the course of a single dwell, the correlation is modified as a function of the Doppler information.

2. (original) A method according to claim 1 wherein the target signal is modified as a function of the Doppler information prior to comparing it with the reference signal.

3. (original) A method according to claim 1 wherein the reference signal is modified as a function of the Doppler information prior to comparing it with the target signal.

4. (original) A method according to claim 1 wherein the estimate of Doppler shift is calculated based on a last known position fix of the GPS receiver.

5. (original) A method according to claim 1 wherein the GPS receiver is incorporated in a mobile communications device adapted to communicate with a nearby communications base station; and wherein the estimate of Doppler shift is calculated based on a position fix provided by the communications base station.

6. (original) A method according to claim 5 wherein the position fix corresponds to the location of the communications base station.

a³ 7. (currently amended) A GPS receiver able to despread a GPS spread spectrum signal received by the GPS receiver ~~by a method according to claim 1~~ comprising a processor which

- provides Doppler information relating to an estimate of the variation in Doppler shift as observed on the target signal by the GPS receiver and which is attributable to the motion of the GPS satellite;
and

- correlates the target signal with a reference signal containing corresponding PRN code sequences, wherein, in the course of a single dwell, the correlation is modified as a function of the Doppler information.

8. (currently amended) A mobile telephone comprising a GPS receiver able to despread a GPS spread spectrum signal received by the GPS receiver ~~according to claim 7~~ comprising a processor which

A3 - provides Doppler information relating to an estimate of the variation in Doppler shift as observed on the target signal by the GPS receiver and which is attributable to the motion of the GPS satellite;

and

- correlates the target signal with a reference signal containing corresponding PRN code sequences, wherein, in the course of a single dwell, the correlation is modified as a function of the Doppler information.